



**Perreaux**

Model: E100V

Date of Manufacture: 1989

Product Type: 100V Line Power Amplifier

Power Output (*into 100Ω*):  $100W_{\text{rms}}$

## Specifications:

### Power Output

100W<sub>rms</sub> into 100Ω from 20Hz to 20kHz at no more than 0.05% Total Harmonic Distortion from 0.25W to rated power

**Frequency Response** ..... 20Hz-20kHz ±0.25dB  
.....-1dB @ 6Hz and 65kHz

### Total Harmonic Distortion

Worst case prior to clipping ..... 0.05%

### Intermodulation Distortion

Worst case prior to clipping ..... 0.05%

**Dynamic Headroom** (*with music*) ..... > 1dB

**Amplifier Saturation** ..... > 150W into 100Ω

**Voltage Swing** (*no load*) ..... 108V<sub>p-p</sub> per channel

### Current Output

Short Duration Continuous ..... 10A per channel (fuse limited)

**Rise Time** ..... Typically 2μs

**Phase Response** ..... +4° at 20Hz -4° at 20kHz

**Hum and Noise** (*unweighted*) ..... 100dB below rated output 20Hz-20kHz

**Input Sensitivity** ..... 1.0V<sub>rms</sub> unbalanced for rated output @ 1kHz

**Input Impedance** ..... 47kΩ

**Driver Stage** ..... Class A

**Output Devices** ..... Extended Class AB

### Dimensions

Width ..... 430mm (17.0")

Height ..... 95mm (3.8")

Depth ..... 200mm (8.0")

**Weight** ..... 5.5kg (12.3lb)

Schematic diagram

Product manual